PacWave[™]

PSC-HB-I-FM Series | High Bay PIR Occupancy Sensor

Basic Features

- Digital passive infrared (PIR) sensor
- Input voltage: 120-277VAC, 50/60Hz or 347/480VAC, 50/60Hz
- IP65 rated version for wet locations
- Dual relay & dimming version
- Mounting height up to 40ft
- 4 lens options: high bay, low bay, center aisle, end of aisle
- Time-delay and sensitivity controls
- Photocell for daylight sensing
- LED indicator light
- UL listed E341446

Applications

The PSC-HB-I-FM series high bay PIR occupancy sensor is designed specifically for use in commercial and industrial applications such as warehouses, distribution centers shop areas, parking garages, and assembly areas.

High bay lens supports mounting heights up to 40ft. Low bay lens supports mounting heights up to 20ft. Both lenses provide 360° coverage. Special covers are available to adapt this detection pattern for use in aisles.

The PSC-HB-I-FM is best suited for detecting tangential motion.



Suitable for indoor or outdoor use

Sensor Operation

The PSC-HB-I-FM detects occupant motion by comparing the infrared energy (heat) emitted by moving objects with the background space. Users can adjust sensitivity, time delay, and other settings via a dip switch (must remove the front cover to gain access).

Photocell version can prevent lighting from turning on if adequate daylight is available. It is designed to turn lights on at 30 ± 15 lux and off at >100lux.

Dual relay version can control two loads in the same fixture. This enables users to achieve bilevel dimming and can extend lamp life.

Accessories

High bay lens is factory pre-installed by default, but other options for lenses and lens covers are available.

Optional mounting arm available for non-wet location rated models. See "Packaging & Accessories" for more information.

If ordering separate from sensor:

LBL: Low bay lens HBL: High bay lens AL1: Center aisle lens cover AL2: End of aisle lens cover ARM: Mounting arm (extender module) BC: Back Cover

How to Order

Model No.*	Description	Input Voltage	Min Load	Output / Max Load
PSC-HB-I-FM-700	PIR basic			
PSC-HB-I-FM-710	PIR w/photocell	_		
PSC-HB-I-FM-100	PIR basic	_		
PSC-HB-I-FM-110	PIR w/photocell	_		
PSC-HB-I-FM-100D	PIR basic; dual load	120-277VAC,	None	800VA @ 120VAC, 6.7A
PSC-HB-I-FM-110D	PIR w/photocell; dual load	50/60Hz	NOTE	1200VA @ 208/240/277VAC, 4.3A
PSC-HB-I-FM-100W	PIR basic; wet location			
PSC-HB-I-FM-110W	PIR w/photocell; wet location			
PSC-HB-I-FM-100DW	PIR basic; dual load; wet location	_		
PSC-HB-I-FM-110DW	PIR w/photocell; dual load; wet location	_		
PSC-HB-I-FM-200	PIR basic			
PSC-HB-I-FM-210	PIR w/photocell	347/480VAC,	None	1500VA @ 347VAC, 4.3A 2000VA @ 480VAC, 4.1A
PSC-HB-I-FM-200W	PIR basic; wet location	50/60Hz		
PSC-HB-I-FM-210W	PIR w/photocell; wet location	-		

* See "Packaging & Accessories" for more detailed information.





Passive infrared (PIR); single load

Dia. up to 80ft @ 40ft mounting height

Dia. up to 40ft @ 20ft mounting height

Dia. 25ft @ 40ft mounting height

Dia. 13ft @ 20ft mounting height

10 sec to 20 min

-20° to 60°C

Fixture mount

20-90% non-condensing

UL/cUL listed E341446

120-277VAC, 50/60Hz

None

N/A -20° to 60°C

IP20

White 5 years

800VA @ 120VAC, 6.7A 1200VA @ 208/240/277VAC, 4.3A

Physical Dimensions



Not suitable for outdoor use Equivalent outdoor rated version: PSC-HB-I-FM-100W

Weight: 7.05 oz



MW Connect

Max Range (high bay lens)

Max Range (low bay lens)

Operating Temperature

Storage Temperature Relative Humidity

Optimal Range (high bay lens) Optimal Range (low bay lens)

Summary Sensor Type

Max Load

Min Load

Time Delay Photocell Sensitivity

Mounting

IP Rating

Warranty

Certifications

Color

Input Voltage



Settings Adjustment



Detection Area



D Connect





Not suitable for outdoor use Equivalent outdoor rated version: PSC-HB-I-FM-100W

Weight: 7.05 oz

Wiring Diagram

MW Connect

Max Range (high bay lens)

Max Range (low bay lens)

Operating Temperature

Storage Temperature Relative Humidity

Optimal Range (high bay lens) Optimal Range (low bay lens) Passive infrared (PIR); single load

Dia. up to 80ft @ 40ft mounting height

Dia. up to 40ft @ 20ft mounting height

Dia. 25ft @ 40ft mounting height

Dia. 13ft @ 20ft mounting height

10 sec to 20 min

20-90% non-condensing

UL/cUL listed E341446

-20° to 60°C

Fixture mount

120-277VAC, 50/60Hz

None

N/A -20° to 60°C

IP20

White 5 years

800VA @ 120VAC, 6.7A 1200VA @ 208/240/277VAC, 4.3A

Summary Sensor Type

Input Voltage

Max Load

Min Load

Time Delay Photocell Sensitivity

Mounting

IP Rating

Warranty

Certifications

Color

Neutral(White) Load Hot (Red) Load (Black)

Assembly



Settings Adjustment

Sensitivity	Delay Time	Sensor Logic
↓ ↓ 100% ↓ ↑ 90% ↑ ↓ 80% ↑ ↑ 70%	$\begin{array}{c c c c c c c c c c c c c c c c c c c $	↓ ↓ ↓ PIR sensor only
↓ : OFF ↑ : ON		

Detection Area







Not suitable for outdoor use Equivalent outdoor rated version: PSC-HB-I-FM-110W

Weight: 7.05 oz

Wiring Diagram

MW Connect

Max Range (high bay lens)

Max Range (low bay lens)

Operating Temperature

Storage Temperature **Relative Humidity**

Optimal Range (high bay lens) Optimal Range (low bay lens)

Passive infrared (PIR); single load

Dia. up to 80ft @ 40ft mounting height

Dia. up to 40ft @ 20ft mounting height

Dia. 25ft @ 40ft mounting height

Dia. 13ft @ 20ft mounting height

ON @ 30lux, OFF @ >100lux

20-90% non-condensing

UL/cUL listed E341446

10 sec to 20 min

-20° to 60°C

-20° to 60°C

Fixture mount

IP20

White 5 years

120-277VAC, 50/60Hz

None

800VA @ 120VAC, 6.7A 1200VA @ 208/240/277VAC, 4.3A

Summary Sensor Type

Input Voltage

Max Load

Min Load

Time Delay Photocell Sensitivity

Mounting

IP Rating

Warranty

Certifications

Color

Neutral(White) Load Hot (Red) Load (Black)

Assembly



Settings Adjustment

Se	ens	itivity	D	ela	у Т	ïme	Se	ens	sor	Logic
1	2		3	4	5		6	7	8	
\downarrow	\downarrow	100%	\downarrow	\downarrow	\downarrow	10 sec	\downarrow	\downarrow	\downarrow	PIR sensor only
\downarrow	1	90%	\downarrow	\downarrow	î	20 sec	\downarrow	\downarrow	1	PIR + Photocell
1	\downarrow	80%	\downarrow	1	\downarrow	30 sec	\downarrow	î	1	Photocell only
1	1	70%	\downarrow	1	î	1 min				
			1	\downarrow	\downarrow	2 min				
			1	\downarrow	Î	5 min				
			1	î	\downarrow	10 min				
			1	î	î	20 min				
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Detection Area



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12

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Unit (ft)

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6 З 15 18 20

10 20 0 10 Unit (ft)



2018 15 12 9

20





Suitable for outdoor use Equivalent indoor version: PSC-HB-I-FM-100

Weight: 7.8 oz



Hot

MW Connect

Max Range (high bay lens)

Max Range (low bay lens)

Operating Temperature

Storage Temperature **Relative Humidity**

Optimal Range (high bay lens) Optimal Range (low bay lens)

Summary Sensor Type

Max Load

Min Load

Time Delay Photocell Sensitivity

Mounting

IP Rating

Warranty

Certifications

Color

Input Voltage

Assembly

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Passive infrared (PIR); single load

Dia. up to 80ft @ 40ft mounting height

Dia. up to 40ft @ 20ft mounting height

Dia. 25ft @ 40ft mounting height

Dia. 13ft @ 20ft mounting height

10 sec to 20 min

20-90% non-condensing

UL/cUL listed E341446

-20° to 60°C

Fixture mount

120-277VAC, 50/60Hz

None

N/A -20° to 60°C

IP65

White 5 years

800VA @ 120VAC, 6.7A 1200VA @ 208/240/277VAC, 4.3A













Suitable for outdoor use Equivalent indoor version: PSC-HB-I-FM-110

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↓ : OFF ↑ : ON

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80%

↑ 70%

Weight: 7.8 oz

Wiring Diagram

Neutral(White)

Hot

(Black)

MW Connect

Max Range (high bay lens)

Max Range (low bay lens)

Operating Temperature

Storage Temperature **Relative Humidity**

Optimal Range (high bay lens) Optimal Range (low bay lens)

Summary Sensor Type

Input Voltage

Max Load

Min Load

Time Delay Photocell Sensitivity

Mounting

IP Rating

Warranty

Certifications

Color

Assembly



Delay Time Sensitivity Sensor Logic 345 6 7 8 100% PIR sensor only 10 sec Ţ 90% 20 sec 1 $\downarrow \downarrow$ 1

30 sec

1 min

2 min

5 min

10 min

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1 1

1 1 \uparrow \uparrow \uparrow 20 min

Settings Adjustment

- PIR + Photocell $\downarrow \uparrow \uparrow$ Photocell only

Detection Area



Passive infrared (PIR); single load

Dia. up to 80ft @ 40ft mounting height

Dia. up to 40ft @ 20ft mounting height

Dia. 25ft @ 40ft mounting height

Dia. 13ft @ 20ft mounting height

ON @ 30lux, OFF @ >100lux

20-90% non-condensing

UL/cUL listed E341446

10 sec to 20 min

-20° to 60°C -20° to 60°C

Fixture mount

IP65

White 5 years

Load

(Red)

120-277VAC, 50/60Hz

None

800VA @ 120VAC, 6.7A 1200VA @ 208/240/277VAC, 4.3A









AL2: End of aisle lens cover









Not suitable for outdoor use Equivalent outdoor rated version: PSC-HB-I-FM-100DW

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↓ ↑ Weight: 7.05 oz

Wiring Diagram

MW Connect

Max Range (high bay lens)

Max Range (low bay lens)

Operating Temperature

Storage Temperature Relative Humidity

Optimal Range (high bay lens) Optimal Range (low bay lens) Passive infrared (PIR); dual load

Dia. up to 80ft @ 40ft mounting height

Dia. up to 40ft @ 20ft mounting height

Dia. 25ft @ 40ft mounting height

Dia. 13ft @ 20ft mounting height

10 sec to 20 min

20-90% non-condensing

UL/cUL listed E341446

-20° to 60°C

Fixture mount

120-277VAC, 50/60Hz

None

N/A -20° to 60°C

IP20

White 5 years

800VA @ 120VAC, 6.7A 1200VA @ 208/240/277VAC, 4.3A

Summary Sensor Type

Input Voltage

Max Load

Min Load

Time Delay Photocell Sensitivity

Mounting

IP Rating

Warranty

Certifications

Color



Assembly



Settings Adjustment

ensitivity	Delay Time	Sensor Logic			
2 ↓ 100% ↑ 90% ↓ 80% ↑ 70%	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	6 7 8 ↓ ↓ ↓ PIR sensor only ↓ ↓ ↑ Load 1 + Photocell ↓ ↑ ↓ Load 2 + Photocell ↓ ↑ ↑ Photocell only			
: OFF : ON					









Not suitable for outdoor use Equivalent outdoor rated version: PSC-HB-I-FM-110DW

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↓ ↑ Weight: 7.05 oz

Wiring Diagram

MW Connect

Max Range (high bay lens)

Max Range (low bay lens)

Operating Temperature

Storage Temperature Relative Humidity

Optimal Range (high bay lens) Optimal Range (low bay lens) Passive infrared (PIR); dual load

Dia. up to 80ft @ 40ft mounting height

Dia. up to 40ft @ 20ft mounting height

Dia. 25ft @ 40ft mounting height

Dia. 13ft @ 20ft mounting height

ON @ 30lux, OFF @ >100lux

20-90% non-condensing

UL/cUL listed E341446

10 sec to 20 min

-20° to 60°C

-20° to 60°C

Fixture mount

IP20

White 5 years

120-277VAC, 50/60Hz

None

800VA @ 120VAC, 6.7A 1200VA @ 208/240/277VAC, 4.3A

Summary Sensor Type

Input Voltage

Max Load

Min Load

Time Delay Photocell Sensitivity

Mounting

IP Rating

Warranty

Certifications

Color



Assembly



Settings Adjustment

ensitivity	Delay Time	Sensor Logic
2 ↓ 100% ↑ 90% ↓ 80% ↑ 70%	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	6 7 8 ↓ ↓ PIR sensor only ↓ ↓ ↑ Load 1 + Photocell ↓ ↑ ↓ Load 2 + Photocell ↓ ↑ ↑ Photocell only
: OFF : ON		









Suitable for outdoor use Equivalent indoor version: PSC-HB-I-FM-100D

Weight: 7.8 oz

Wiring Diagram

Neutral(White)

Hot

(Black)

MW Connect

Max Range (high bay lens)

Max Range (low bay lens)

Operating Temperature

Storage Temperature **Relative Humidity**

Optimal Range (high bay lens) Optimal Range (low bay lens)

Passive infrared (PIR); dual load

Dia. up to 80ft @ 40ft mounting height

Dia. up to 40ft @ 20ft mounting height

Dia. 25ft @ 40ft mounting height

Dia. 13ft @ 20ft mounting height

10 sec to 20 min

20-90% non-condensing

UL/cUL listed E341446

-40° to 60°C

Fixture mount

120-277VAC, 50/60Hz

None

N/A -40° to 60°C

IP65

White 5 years

Load

(Red)

800VA @ 120VAC, 6.7A 1200VA @ 208/240/277VAC, 4.3A

Summary Sensor Type

Max Load

Min Load

Time Delay Photocell Sensitivity

Mounting

IP Rating

Warranty

Certifications

Color

Input Voltage

Assembly



Sensitivity **Delay Time** 12 345 100% 10 se 90% Î 1 20 se 80% 30 se Ţ Î ↑ 70% 1 min 2 min 5 min 1 1 10 min

1 1 \uparrow \uparrow \uparrow 20 min

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↓ : OFF ↑ : ON

Settings Adjustment

Sensor Logic					
	6	7	8		
с	\downarrow	\downarrow	\downarrow	PIR sensor only	
с	\downarrow	\downarrow	Î	Load 1 + Photocel	
с	\downarrow	Î	\downarrow	Load 2 + Photocel	
	\downarrow	Î	Î	Photocell only	









Suitable for outdoor use Equivalent indoor version: PSC-HB-I-FM-110D

Weight: 7.8 oz

Wiring Diagram

Neutral(White)

Hot

(Black)

MW Connect

Max Range (high bay lens)

Max Range (low bay lens)

Operating Temperature

Storage Temperature Relative Humidity

Optimal Range (high bay lens) Optimal Range (low bay lens)

Summary Sensor Type

Max Load

Min Load

Time Delay Photocell Sensitivity

Mounting

IP Rating

Warranty

Certifications

Color

Input Voltage



100



Passive infrared (PIR); dual load

Dia. up to 80ft @ 40ft mounting height

Dia. up to 40ft @ 20ft mounting height

Dia. 25ft @ 40ft mounting height

Dia. 13ft @ 20ft mounting height

ON @ 30lux, OFF @ >100lux

20-90% non-condensing

UL/cUL listed E341446

10 sec to 20 min

-40° to 60°C -40° to 60°C

Fixture mount

IP65

White 5 years

120-277VAC, 50/60Hz

None

800VA @ 120VAC, 6.7A 1200VA @ 208/240/277VAC, 4.3A

Settings Adjustment









Passive infrared (PIR); single load

Dia. up to 80ft @ 40ft mounting height

Dia. up to 40ft @ 20ft mounting height

Dia. 25ft @ 40ft mounting height

Dia. 13ft @ 20ft mounting height

10 sec to 20 min

20-90% non-condensing

UL/cUL listed E341446

-20° to 60°C

-20° to 60°C

Fixture mount

347/480VAC, 50/60Hz

None

N/A

IP20

White 5 years

1500VA @ 347VAC, 4.3A 2000VA @ 480VAC, 4.1A

Summary Sensor Type

Input Voltage

Max Load

Min Load

Time Delay Photocell Sensitivity

Mounting

IP Rating

Warranty

Certifications

Color

Max Range (high bay lens)

Max Range (low bay lens)

Operating Temperature

Storage Temperature Relative Humidity

Optimal Range (high bay lens) Optimal Range (low bay lens)

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Not suitable for outdoor use Equivalent outdoor rated version: PSC-HB-I-FM-200W

Settings Adjustment

Weight: 7.05 oz

Wiring Diagram

Assembly



Detection Area







Not suitable for outdoor use Equivalent outdoor rated version: PSC-HB-I-FM-200W

Settings Adjustment

Weight: 7.05 oz



MW Connect

Max Range (high bay lens)

Max Range (low bay lens)

Operating Temperature

Storage Temperature Relative Humidity

Optimal Range (high bay lens)

Optimal Range (low bay lens)

Passive infrared (PIR); single load

Dia. up to 80ft @ 40ft mounting height

Dia. up to 40ft @ 20ft mounting height

Dia. 25ft @ 40ft mounting height

Dia. 13ft @ 20ft mounting height

ON @ 30lux, OFF @ >100lux

20-90% non-condensing

UL/cUL listed E341446

10 sec to 20 min

-20° to 60°C

-20° to 60°C

Fixture mount

IP20

White 5 years

347/480VAC, 50/60Hz

None

1500VA @ 347VAC, 4.3A 2000VA @ 480VAC, 4.1A

Summary Sensor Type

Input Voltage

Max Load

Min Load

Time Delay Photocell Sensitivity

Mounting

IP Rating

Warranty

Certifications

Color

Assembly









MW Connect

Summary Sensor Type

Input Voltage

Max Load

Min Load

Time Delay Photocell Sensitivity

Mounting

IP Rating

Warranty

Certifications

Color

Max Range (high bay lens)

Max Range (low bay lens)

Operating Temperature

Storage Temperature **Relative Humidity**

Optimal Range (high bay lens) Optimal Range (low bay lens)

Physical Dimensions



Equivalent indoor version: PSC-HB-I-FM-200

Weight: 7.8 oz

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Wiring Diagram

Assembly



Passive infrared (PIR); single load

Dia. up to 80ft @ 40ft mounting height

Dia. up to 40ft @ 20ft mounting height

Dia. 25ft @ 40ft mounting height

Dia. 13ft @ 20ft mounting height

10 sec to 20 min

20-90% non-condensing

UL/cUL listed E341446

-40° to 60°C

Fixture mount

347/480VAC, 50/60Hz

None

N/A -40° to 60°C

IP65

White 5 years

1500VA @ 347VAC, 4.3A 2000VA @ 480VAC, 4.1A

Settings Adjustment



Detection Area





Unit (ft)



Physical



Suitable for outdoor use Equivalent indoor version: PSC-HB-I-FM-210

Weight: 7.8 oz

Wiring Diagram

MW Connect

Max Range (high bay lens)

Max Range (low bay lens)

Operating Temperature

Storage Temperature Relative Humidity

Optimal Range (high bay lens)

Optimal Range (low bay lens)

Passive infrared (PIR); single load

Dia. up to 80ft @ 40ft mounting height

Dia. up to 40ft @ 20ft mounting height

Dia. 25ft @ 40ft mounting height

Dia. 13ft @ 20ft mounting height

ON @ 30lux, OFF @ >100lux

20-90% non-condensing

UL/cUL listed E341446

Load

10 sec to 20 min

-40° to 60°C -40° to 60°C

Fixture mount

IP65

White 5 years

Blue (Load neutral)

Red (Load hot)

347/480VAC, 50/60Hz

None

1500VA @ 347VAC, 4.3A 2000VA @ 480VAC, 4.1A

Summary Sensor Type

Input Voltage

Max Load

Min Load

Time Delay Photocell Sensitivity

Mounting

IP Rating

Warranty

Certifications

White(Neutral)

Black (Hot)

Color

Assembly



Settings Adjustment









Distribution Kit

Indoor Sensor Kit: Each master carton contains 12 sensor kits and measures approx. $11^{"}L \times 10^{"}W \times 10.5^{"}H$. Unit cartons measure approx. $5.5^{"}L \times 4.5^{"}W \times 3.25^{"}H$. Each kit contains:

- 1 High bay sensor
- 1 Installation guide
- 1 ARM: Mounting arm*
- 1 Back cover**
- 2 snap-on chase nipples***
- 2 mounting screws & anchors
- 1 HBL: High bay lens†
- 1 LBL: Low bay lens
- 1 AL1: End of aisle lens cover (180°)
- 1 AL2: Center of aisle lens cover

Outdoor Sensor Kit: Each master carton contains 12 sensor kits and measures approx. $11"L \times 10"W \times 10.5"H$. Unit cartons measure approx. $5.5"L \times 4.5"W \times 2.5"H$. Each kit contains:

- 1 High bay sensor
- 1 Installation guide
- 2 snap-on chase nipples***
- 2 mounting screws & anchors
- 1 HBL: High bay lens†
- 1 LBL: Low bay lens
- 1 AL1: End of aisle lens cover (180°)
- 1 AL2: Center of aisle lens cover



Notes

How to order: To order sensors in distribution kits add the following suffixes to the model number:

- "/A" = include mounting arm (indoor sensors only)
- "/C" = include back cover (indoor sensors only)
- "/K" = distribution kit packaging

Examples:

PSC-HB-I-FM-110D/A/C/K = High bay PIR sensor, 120-277VAC input, with integrated photocell, dual relay, mounting arm, back cover, in distribution kit packaging.

PSC-HB-I-FM-100W/A/K = High bay PIR sensor, 120-277VAC input, no photocell, single relay, mounting arm, in distribution kit packaging.

- The mounting arm is not IP65 rated for outdoor use. Currently, distribution kits for outdoor sensors (i.e., those that have a "W" in the model number) do NOT include the mounting arm as this would negate the IP65 rating. An IP65 rated mounting arm is on our development roadmap.
- * The back cover is an optional accessory for indoor rated sensors. It merely provides a method for mounting the sensor to a J-box or fixture housing via a 1/2" knockout at the top center rather than on the side. The back cover is not required and cannot be installed on the outdoor sensors (i.e., any sensor with a "W" in the model number).
- ** The sensor comes with two types of snap-on chase nipples, one that is short for connecting plastic to plastic (e.g., connecting the sensor unit to the mounting arm), and one that is longer for connecting plastic to metal (e.g., connecting the mounting arm to the side of the light fixture). The shorter snap-on chase nipple is pre-installed in the sensor. The mounting arm and chase nipple can be taken apart by using a slotted screwdriver.
- † The high bay lens (HBL) is factory pre-installed without lens covers by default.





Bulk Pack

Indoor Sensor Bulk Pack: Each master carton contains 36 sensors bundled together and separated by cardboard partitions. Master carton measures approx. 17.5"L x 15.5"W x 10.5"H. Mounting arms, back covers, and extra snap-on chase nipples packaged separately. Bulk pack contains:

- 36 High bay sensors
- 36 Installation guides (bundled together)
- 36 snap-on chase nipples (pre-installed)
- 72 mounting screws & anchors
- 36 HBL: High bay lens (pre-installed)
- 36 LBL: Low bay lens
- 36 AL1: End of aisle lens cover (180°)
- 36 AL2: Center of aisle lens cover

Outdoor Sensor Bulk Pack: Each master carton contains 32 sensors bundled together and separated by cardboard partitions. Master carton measures approx. 17.5"L x 15.5"W x 10.5"H. Mounting arms, back covers, and extra snap-on chase nipples packaged separately. Bulk pack contains:

- 32 High bay sensors
- 32 Installation guides (bundled together)
- 32 snap-on chase nipples (pre-installed)
- 64 mounting screws & anchors
- 32 HBL: High bay lens (pre-installed)
- 32 LBL: Low bay lens
- 32 AL1: End of aisle lens cover (180°)
- 32 AL2: Center of aisle lens cover

Mounting Arm Bulk Pack: Each master carton contains 330 mounting arms and measures approx. $19^{\circ}L \times 16^{\circ}W \times 10.5^{\circ}H$. Each inner carton contains 10 mounting arms (does not include chase nipples) and measures approx. $5.25^{\circ}L \times 4.5^{\circ}W \times 3.25^{\circ}H$.

Other accessory Bulk Pack: packaging varies for snapon chase nipples, back covers, and other accessories and spare parts.

Notes

How to order: To order sensors in bulk packs add the following suffixes to the model number: Do NOT add the suffix "/K".

- "/A" = include mounting arm (indoor sensors only)
- "/C" = include back cover (indoor sensors only)
- "/F" = bulk pack

Examples:

PSC-HB-I-FM-110D/A/C/F = High bay PIR sensor, 120-277VAC input, with integrated photocell, dual relay, mounting arm, back cover, in bulk packaging.

PSC-HB-I-FM-100W/F = High bay PIR sensor, 120-277VAC input, no photocell, single relay, no mounting arm, in bulk packaging.

PSC-HB Packaging & Accessories





ARM: Mounting Arm (optional)

The PSC-HB series of high bay sensors are designed to mount onto the side of lighting fixtures via 1/2" knockout. In many applications the mounting arm is unnecessary.

However, some fixtures place the knockout too far from the bottom edge of the housing to mount the sensor directly. In this case, the metal of the fixture housing may block the sensor or the heat from the fixture may create interference that limits the PIR sensor's operational reliability.

The mounting arm simply moves the sensor unit below the bottom edge of a fixture to ensure it has a clear line of sight.

The mounting arm not IP65 rated for outdoor use, it is intended only for indoor applications. Using this accessory with an IP65 rated PIR sensor will negate the IP65 rating and void the warranty.

BC: Back Cover (optional)

The back cover is an optional accessory for indoor rated sensors. It merely provides a method for mounting the sensor to a J-box or fixture housing via a 1/2" knockout at the top center rather than on the side.

All indoor sensors are rated IP20 with or without the back cover installed.

The back cover cannot be installed on the outdoor sensors (i.e., any sensor with a "W" in the model number).

LBL & HBL (Low Bay & High Bay Lens)

The high bay lens used in the PSC-HB series is the Fresnel ceiling mount array CM 0.77 GI V5. The low bay lens is the Fresnel ceiling mount array CM 0.77 GI V3.

For convenience, a hyperlink to complete specifications on Fresnel Technologies, Inc.'s website is included below. However, mwConnect cannot make any guarantees regarding the information contained therein. Please contact Fresnel Technologies, Inc. directly if you have any questions about their products.

http://www.fresneltech.com/pdf/CM0.77GIVX.pdf

Low bay lens see pages 7-8 High bay lens see pages 11-13







